

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/896,053DATE: 07/14/98  
TIME: 10:26:23

INPUT SET: S27422.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

ENTERED

- 1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: Janssens, Stefans  
6 Bloch, Kenneth D.  
7 Collen, Dsir  
8  
9 (ii) TITLE OF INVENTION: Method of Inducing Vasodilation and  
10 Treating Pulmonary Hypertension Using Adenoviral-Mediated  
11 Transfer of the Nitric Oxide Synthase Gene  
12  
13 (iii) NUMBER OF SEQUENCES: 5  
14  
15 (iv) CORRESPONDENCE ADDRESS:  
16 (A) ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.  
17 (B) STREET: 1100 New York Ave., N.W., Suite 600  
18 (C) CITY: Washington  
19 (D) STATE: D.C.  
20 (E) COUNTRY: U.S.A.  
21 (F) ZIP: 20005  
22  
23 (v) COMPUTER READABLE FORM:  
24 (A) MEDIUM TYPE: Floppy disk  
25 (B) COMPUTER: IBM PC compatible  
26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
28  
29 (vi) CURRENT APPLICATION DATA:  
30 (A) APPLICATION NUMBER: US 08/896,053  
31 (B) FILING DATE: 17-JUL-1997  
32 (C) CLASSIFICATION:  
33  
34 (vii) PRIOR APPLICATION DATA:  
35 (A) APPLICATION NUMBER: US 60/021,912  
36 (B) FILING DATE: 17-JUL-1996  
37  
38 (viii) ATTORNEY/AGENT INFORMATION:  
39 (A) NAME: Millonig, Robert C.  
40 (B) REGISTRATION NUMBER: 34,395  
41 (C) REFERENCE/DOCKET NUMBER: 0609.4280001/JAG/RCM  
42  
43 (ix) TELECOMMUNICATION INFORMATION:  
44 (A) TELEPHONE: (202) 371-2600  
45 (B) TELEFAX: (202) 371-2540  
46

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47  
48 (2) INFORMATION FOR SEQ ID NO:1:  
49  
50 (i) SEQUENCE CHARACTERISTICS:  
51 (A) LENGTH: 27 base pairs  
52 (B) TYPE: nucleic acid  
53 (C) STRANDEDNESS: single  
54 (D) TOPOLOGY: linear  
55  
56 (ii) MOLECULE TYPE: cDNA  
57  
58  
59  
60  
61 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
62  
63 CGGCGATGTT ACCATGGCAA CCAACGT 27  
64  
65 (2) INFORMATION FOR SEQ ID NO:2:  
66  
67 (i) SEQUENCE CHARACTERISTICS:  
68 (A) LENGTH: 29 base pairs  
69 (B) TYPE: nucleic acid  
70 (C) STRANDEDNESS: single  
71 (D) TOPOLOGY: linear  
72  
73 (ii) MOLECULE TYPE: cDNA  
74  
75  
76  
77  
78 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
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80 CGGATCCCCG CTCTCAGGGG CTGTTGGTG 29  
81  
82 (2) INFORMATION FOR SEQ ID NO:3:  
83  
84 (i) SEQUENCE CHARACTERISTICS:  
85 (A) LENGTH: 27 base pairs  
86 (B) TYPE: nucleic acid  
87 (C) STRANDEDNESS: single  
88 (D) TOPOLOGY: linear  
89  
90 (ii) MOLECULE TYPE: cDNA  
91  
92  
93  
94  
95 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
96  
97 CGGCGATGTT ACCATGGCAA CCAACGT 27  
98  
99 (2) INFORMATION FOR SEQ ID NO:4:

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PATENT APPLICATION US/08/896,053DATE: 07/14/98  
TIME: 10:26:25

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100  
101 (i) SEQUENCE CHARACTERISTICS:  
102 (A) LENGTH: 20 base pairs  
103 (B) TYPE: nucleic acid  
104 (C) STRANDEDNESS: single  
105 (D) TOPOLOGY: linear  
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107 (ii) MOLECULE TYPE: cDNA  
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109  
110  
111  
112 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
113  
114 CTCTGTAGGT AGTTTGTCCA 20  
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116 (2) INFORMATION FOR SEQ ID NO:5:  
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118 (i) SEQUENCE CHARACTERISTICS:  
119 (A) LENGTH: 4099 base pairs  
120 (B) TYPE: nucleic acid  
121 (C) STRANDEDNESS: single  
122 (D) TOPOLOGY: linear  
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124 (ii) MOLECULE TYPE: cDNA  
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126  
127  
128  
129 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
130  
131 GAATTCCCAC TCTGCTGCCT GCTCCAGCAG ACGGACGCAC AGTAACATGG GCAACTTGAA 60  
132  
133 GAGCGTGGCC CAGGAGCCTG GGCCACCCTG CGGCCTGGGG CTGGGGCTGG GCCTTGGGCT 120  
134  
135 GTGCGGCAAG CAGGGCCCAG CCACCCCGGC CCCTGAGCCC AGCCGGGCCC CAGCATCCCT 180  
136  
137 ACTCCCACCA GCGCCAGAAC ACAGCCCCCC GAGCTCCCCG CTAACCCAGC CCCCAGAGGG 240  
138  
139 GCCCCAAGTTC CCTCGTGTGA AGAACTGGGA GGTGGGGAGC ATCACCTATG ACACCCTCAG 300  
140  
141 CGCCCAGGCG CAGCAGGATG GGCCCTGCAC CCCAAGACGC TGCCTGGGCT CCCTGGTATT 360  
142  
143 TCCACGGAAA CTACAGGGCC GGCCCTCCCC CGGCCCCCGG GCCCCTGAGC AGCTGCTGAG 420  
144  
145 TCAGGCCCCG GACTTCATCA ACCAGTACTA CAGCTCCATT AAGAGGAGCG GCTCCCAGGC 480  
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147 CCACGAACAG CGGCTTCAAG AGGTGGAAGC CGAGGTGGCA GCCACAGGCA CCTACCAGCT 540  
148  
149 TAGGGAGAGC GAGCTGGTGT TCGGGGCTAA GCAGGCCTGG CGCAACGCTC CCCGCTGCGT 600  
150  
151 GGGCCGGATC CAGTGGGGGA AGCTGCAGGT GTTCGATGCC CGGGACTGCA GGTCTGCACA 660  
152

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153	GGAAATGTTC ACCTACATCT GCAACCACAT CAAGTATGCC ACCAACC GGG GCAACCTTCG	720
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159	AGCCAACGTG GAGATCACCG AGCTCTGCAT TCAGCACGGC TGGACCCAG GAAACGGTCG	900
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161	CTTCGACGTG CTGCCCCTGC TGCTGCAGGC CCCAGATGAG CCCCAGAAC TCTTCCTTCT	960
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163	GGCCCCCGAG CTGGTCCTTG AGGTGCCCCT GGAGCACCCC ACGCTGGAGT GGTTCGACG	1020
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167	CCTGGAGTTC CCCGCAGCCC CCTTCAGTGG CTGGTACATG AGCACTGAGA TCGGCACGAG	1140
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169	GAACCTGTGT GACCCTCACC GCTACAACAT CCTGGAGGAT GTGGCTGTCT GCATGGACCT	1200
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171	GGATACCCGG ACCACCTCGT CCCTGTGGAA AGACAAGGCA GCAGTGGAAA TCAACGTGGC	1260
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173	CGTGCTGCAC AGTTACCAGC TAGCCAAAGT CACCATCGTG GACCACCACG CCGCCACGGC	1320
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177	GGCCTGGATC GTGCCCCCA TCTCGGGCAG CCTCACTCCT GTTTTCCATC AGGAGATGGT	1440
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179	CAACTATTTT CTGTCCCCGG CCTTCGCTA CCAGCCAGAC CCCTGGAAGG GGAGTGCCGC	1500
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181	CAAGGGCACC GGCATCACCA GGAAGAAGAC CTTTAAAGAA GTGGCCAACG CCGTGAAGAT	1560
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183	CTCCGCCTCG CTCATGGGCA CGGTGATGGC GAAGCGAGTG AAGGCGACAA TCCTGTATGG	1620
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185	CTCCGAGACC GGCCGGGCCC AGAGCTACGC ACAGCAGCTG GGGAGACTCT TCCGGAAGGC	1680
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187	TTTTGATCCC CGGGTCCTGT GTATGGATGA GTATGACGTG GTGTCCCTCG AACACGAGAC	1740
188		
189	GCTGGTGCTG GTGGTAACCA GCACATTTGG GAATGGGGAT CCCCCGAGA ATGGAGAGAG	1800
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191	CTTTGCAGCT GCCCTGATGG AGATGTCCGG CCCCTACAAC AGCTCCCCCTC GGCCGGAACA	1860
192		
193	GCACAAGAGT TATAAGATCC GCTTCAACAG CATCTCCTGC TCAGACCCAC TGGTGTCTCT	1920
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195	TTGGCGGCGG AAGAGGAAGG AGTCCAGTAA CACAGACAGT GCAGGGGCCC TGGGCACCCT	1980
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197	CAGGTTCTGT GTGTCGGGC TCGGCTCCCG GGCATACCCC CACTTCTGCG CCTTTGCTCG	2040
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199	TGCCGTGGAC ACACGGCTGG AGGAACTGGG CGGGGAGCGG CTGCTGCAGC TGGGCCAGGG	2100
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203	CGCCTGTGAG ACCTTCTGTG TGGGAGAGGA TGCCAAGGCC GCCGCCGAG ACATCTTCAG	2220
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206							INFO SET: 32/422.rnw
207	GTGCTGCCA	GGTCTGATCC	ACGTGCACAG	GCGGAAGATG	TTCCAGGCTA	CAATCCGCTC	2340
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211	CGGAGGCCAG	GAGGGGCTGC	AGTACCAGCC	GGGGGACCAC	ATAGGTGTCT	GGCCGCCCAA	2460
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213	CCGGCCCCGGC	CTTGTGGAGG	CGCTGCTGAG	CCGCGTGGAG	GACCCGCCGG	CGCCCACTGA	2520
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215	GCCCGTGGCA	GTAGAGCAGC	TGGAGAAGGG	CAGCCCTGGT	GGCCCTCCCC	CCGGCTGGGT	2580
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217	GCGGGACCCCC	CGGCTGCCCC	CGTGCACGCT	GCGCCAGGCT	CTCACCTTCT	TCCTGGACAT	2640
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219	CACCTCCCCA	CCCAGCCCTC	AGCTCTTGCG	GCTGCTCAGC	ACCTTGGCAG	AAGAGCCCAG	2700
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237	GTTCGGCTGC	CGATGCTCCC	AACTTGACCA	TCTCTACCGC	GACGAGGTGC	AGAACGCCCA	3240
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243	CCTCGAGCGG	GGCCACATGT	TTGTCTGCGG	CGATGTTACC	ATGGCAACCA	ACGTCTTGCA	3420
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257	GCAAGGATTC	AGCATTATTC	CTCCAGGAAG	GAGCAAAACG	CCTCTTTTCC	CTCTCTAGGC	3840
258							

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/896,053**

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Original Text